
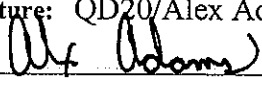
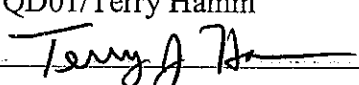


## S&MA Mission Services Technical Directive

<b>Control No:</b> 0144	<b>Org. Code:</b> QD20	<b>Project Code:</b> ET-EPB	<b>Contract #:</b> NAS8-00179
<b>Originator:</b> QD20/Alex Adams 		<b>Date:</b> 1-21-05	
<b>Office Manager's Signature:</b> QD20/Alex Adams 		<b>Date:</b> 1-21-05	
<b>COTR's Signature:</b> QD01/Terry Hamm 		<b>Date:</b> 1-24-05	
<b>Subject:</b> Provide Safety and Mission Assurance support to the Shuttle ET Excitation Power Box (EPB) task.			
<b>Task Description:</b> Utilizing as a basis PWS 3.0/5.0/6.0/8.0, provide the below assurance functions to the ET EPB task.			
<u>Safety (PWS 3.0)</u> 1) Assess project documentation to assure applicable safety requirements are included. 2) Develop Safety Plans and Hazard Analyses to identify hazards, define controls and mitigations, and identify safety verification requirements. 3) Participate in Safety Reviews and other essential safety related reviews.			
<u>Reliability (PWS 5.0)</u> 1) Assess project documentation to assure applicable reliability requirements are included - complies with the requirements in NSTS 22206, NHB 5300.4 (1D-2). Review LLI list for inclusion of proper components. 2) Develop and update as necessary the FMEA/CIL, and other reliability documents.			
<u>Quality (PWS 6.0)</u> 1) Provide quality engineering for the ET EPB task, to include: a) baseline Quality Plan and b) ensure that all documentation and activities comply with Program/Project/S&MA procedures and directives. 2) Support Milestone Reviews as related to quality. 3) Provide Quality Assurance support for inspection and testing activities as required.			
<u>Project Assurance (PWS 8.0)</u> 1) Coordinate with the project to assure resources are adequate and schedules are met. 2) Participate in Milestone Reviews, Data Reviews, and other essential reviews. 3) Coordinate with S&MA and Project Team Leads to assure proper execution of S&MA requirements.			
<b>Deliverables:</b> 1. Quality Plan, Safety Plan and Hazard Analyses 2. FMEA/CIL and reliability related comments on documentation 3. Review comments and expertise advice on S&MA discipline issues			
<b>Duration (If time limited task):</b> February 1, 2005 through September 30, 2005			
<b>Report Progress To:</b> ET EPB Lead		<b>Frequency of Report:</b> On going	